

# Patient Condition At a Glance

Prime Innovation for Medical Application

## Athos W Series Patient Monitor

15.6inch 12.1inch

**ZUG**  
MEDICAL SYSTEMS



### OVERVIEW

The Athos series patient monitor series are designed to meet daily clinical needs and seamlessly integrate into the hospital workflow. A variety of monitor models have more and more accurate practical clinical application values. In acute care, patient monitors must be reliable, easy to use, have advanced parameters, and allow access to data when needed. When transporting patients, the equipment should be easy to carry. The Athos series of patient monitors are lightweight, powerful, and intuitive in user interface. They are the best choice for acute, in- and out-of-hospital transfers.



HD Display



Touch Screen



Silence



Intelligent Setting



Easy Clean



More Readable

### FEATURES

- > Monitor should be modular in design, compact and suitable for adult, pediatric and neonates.
- > Standard parameters: SpO2, 12 leads ECG, PR, HR, RESP, NIBP, 2\*TEMP.
- > Optional parameters: EtCO2, 2\*IBP, CO.
- > 12.1 inches/15.6 inches colour LED screen with touch screen and /or rotator knob.
- > Upgradable module is interchangeable (plug and play type).
- > Capable to visualize 6 or more waveform. Support colour coding for different waveform.
- > ST segment analysis with ST trend with continuous display of ST value on screen.
- > Multiple screen layout to view big font size in numeric and waveform.
- > Trending facilities for up to 360 hours of both graphical & numerical along with event review facility for all parameters and full waveform disclosure facility.
- > Different visual alarm with colour coding and audible alarms for various parameters with three levels of volume adjustment.
- > Support HL7 protocol to access the central workstation Energy-saving, low-power design, extending battery life Configure noise reduction fan to ensure a quieter and cleaner environment Arrhythmia detection and analysis in various leads.
- > A inbuilt battery backup of 4 hours.

EEG Ai

Resp CO2  
AG

ECG SPO2  
IBP/NIBP TEMP  
PR



EEG and Ai Monitor Optimizing Anesthesia Delivery with Ai™ Monitoring

Patented CapnoSET and TiniStream technology

Excellent ECG analysis and Anti-motion NIBP & SPO2 Algorithm

For more information, please contact us: [info@zugmed.com](mailto:info@zugmed.com)

## Multi-scenario application : Intensive care/Sub-intensive care



## PRODUCT PERFORMANCE

**Standard application** 12-leads ECG, NIBP, SpO<sub>2</sub>, TEMP OEM monitoring .

**Optional application** IBP ,CO, EtCO<sub>2</sub>(main stream side stream), qCON OEM monitoring .

**Large font, dynamic short trend display interface**, calculation of hemodynamics and cardiac output.

## PHYSICAL PARAMETERS

Dimensions : 15.6 inch(30cm\*15cm\*30cm)  
12.1 inch(38cm\*15cm\*30cm)

Weight : 5.0 kg (Including battery,built-in module)

Screen size : 12.1inch and 15.6 inch



## SPECIFICATIONS

### SPO2

SPO2 Range 0~100%  
SPO2 Accuracy 70~100%, ±2%  
<70%, Undefined

PI Range 0~20%  
PVI Range 0.001%  
PR Range 25-250 bpm  
PR Accuracy ±2bpm or ±2%  
(whichever is greater)

### ECG

ECG Range 0.15mV~5.5mV  
ECG Resolution 2.36uV/LSB  
HR Range 15~300 bpm(adult)  
15~250 bpm(child/neonate)  
HR Accuracy ±1 bpm  
RR Range 0~120 rpm  
RR Accuracy 15~120rpm : ±2rpm or ±2%  
<15rpm : Undefined

### TEMP

Range 0-50°C  
Accuracy ±1°C  
Resolution 0.1°C

### NIBP

Pressure Range 0 ~ 300mmHg  
Pressure Accuracy ±2mmHg or ±1% of reading (take the larger value)  
Resolution 1mmHg  
SYS Range Adult : 40-270mmHg Pediatric : 40-200mmHg Neonate : 40-130mmHg  
DIA Range Adult : 10-210mmHg Pediatric : 10-162mmHg Neonate : 10-90mmHg  
Mean Range Adult : 20-230mmHg Pediatric : 20-170mmHg Neonate : 20-100mmHg  
Accuracy The mean deviation <±5mmHg The standard deviation <8mmHg

### IBP(Optional)

Pressure Range -50 ~ 350 mmHg  
Accuracy ±3mmHg or ±1% of reading  
PR Range 25-250bpm  
PR Accuracy ±2 bpm or ±2% (whichever is greater)

### CO(Optional)

Range 0.20 ~ 20.00L/Min  
Accuracy ±5%

### EtCO2 (Optional)

CO2 Range 0~20.0 vol%  
CO2 Accuracy 0~12 vol% : ±(0.2 vol% + 2% of reading) 12~20vol% : ±(0.2 vol% + 6% of reading)  
AwRR Range 0~150 rpm  
AwRR Accuracy mainstream : 0~150rpm, ±1rpm Sidestream:0~69 rpm, ±1rpm 70~150 rpm, Undefined



Plug-in Modular

- > Sidestream CO2+2IBP+CO
  - > Sidestream CO2+2IBP
  - > Sidestream CO2+EEG Wave
  - > Sidestream CO2+Ai(Depth of anesthesia)
  - > Sidestream CO2
  - > Mainstream CO2
- > TiniStream CO2
  - > 2 IBP+CO
  - > Ai(Depth of anesthesia)
  - > 2 IBP
  - > EEG wave
  - > CO

## CENTRAL MONITORING SYSTEM

Central Monitoring System supports up to 64 beds or 64 patients across clinical units at the same time.

72 hours of 64-channel holographic physiological waveform storage and review.

Provides review of up to 240 hours trend data storage, 720 alarm events per beds.

Bi-directional communication with Athos Series monitors for enhanced patient care.



**x64\***

## PATENT

SPO2		RESP	
Patent No :	ZL 2019 1 0907433.8	Patent No :	ZL 2014 1 0429201.3
	ZL 2019 2 1510989.5		ZL 2014 2 0489133.5
	ZL 2019 2 1596814.0		ZL 2021 2 0480587.6
EtCO2		ECG	
Patent No :	ZL 2018 1 0713045.1	Patent No :	ZL 2015 0484280.2
	ZL 2018 1 0713152.4		ZL 2019 1 0064711.8
	ZL 2020 2 1177039.8		ZL 2017 1 0691935.2
	ZL 2019 2 0722093.7		ZL 2021 2 0480587.6
	ZL 2017 2 0804416.8		
	ZL 2017 2 0293754.X		
Software copyright patent		Appearance patent	
Patent No:	2017SR076521	Patent No:	ZL 2015 3 0297516.2

## PRODUCT OPTIONAL GUIDE

Standart Application	Optionnal Application
> 3/5leads ECG	> 12Leads ECG
> NIBP	> IBP
> RESP	> CO
> SpO2	> EtCO2(Main stream , Side stream , TiniStream),
> PR	> Multi-Gas
> HR	> Depth of anesthesia Ai
> TEMP	> Central monitor
	> Touch Screen
	> Recorder